INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/007254

		101/012	0047007234
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F01N3/02, F02D9/02, F02D41/04			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ F01N3/02, F02D9/02, F02D41/04			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Jitsuyo Shinan Koho 1922—1996 Jitsuyo Shinan Toroku Koho 1996—2004 Kokai Jitsuyo Shinan Koho 1971—2004 Toroku Jitsuyo Shinan Koho 1994—2004			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
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C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-115822 A (Hino Motors	s, Ltd.),	1-7
-	24 April, 2001 (24.04.01), Par. Nos. [0016] to [0028] (Family: none)		
Y	JP 2002-242732 A (Nissan Motor Co., Ltd.), 28 August, 2002 (28.08.02), Full text; Fig. 1 (Family: none)		1-7
Y	JP 2003-83030 A (Mitsubishi ! 19 March, 2003 (19.03.03), Full text; Fig. 1 & EP 1291514 A2	Motors Corp.),	1-7
Further documents are listed in the continuation of Box C. See patent family annex.			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the in date and not in conflict with the appli the principle or theory underlying the	cation but cited to understand
"E" earlier application or patent but published on or after the international filing date		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is	
"O" document referring to an oral disclosure, use, exhibition or other means		combined with one or more other suc	h documents, such combination
"P" document published prior to the international filing date but later than		being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 31 August, 2004 (31.08.04)		Date of mailing of the international search report 21 September, 2004 (21.09.04)	
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Japanese Patent Office			
Facsimile No.		Telephone No.	